

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES UPGRADING THE PEDESTRIAN TRAFFIC SIGNAL EQUIPMENT TO APS/CPS AND REPLACEMENT OF EXISTING TRAFFIC SIGNAL HEADS AT THE INTERSECTION OF MD 28 AND HURLEY AVE IN MONTGOMERY COUNTY. MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FIVE-PHASE, SEMI-TRAFFIC-ACTUATED MODE. MD 28 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY AND PEDESTRIAN MOVEMENT TO CROSS THE SOUTH LEG OF HURLEY AVE OPERATES CONCURRENTLY. HURLEY AVE THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. ASSOCIATED WITH THE WESTBOUND MD 28 EXCLUSIVE/PERMISSIVE LEFT TURN PHASING IS A CONCURRENT RIGHT TURN FOR THE NORTH TO EAST MOVEMENT OF HURLEY AVE. THERE IS AN ALTERNATE PEDESTRIAN PHASING FOR THE WEST LEG OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. XX3545168

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9570	15	SF	UPDATED 1 SHEET ALUMINUM GROUND MOUNTED SIGN
	4	EA	RIO-3(I) (9" X 15") GROUND MOUNTED
	1	EA	SHIELD ASSEMBLY *EAST, MD 28, RIGHT ARROW* (30" X 51") POLE MOUNTED
9571	50	SF	UPDATED 1 SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	1	EA	SHIELD ASSEMBLY *WEST, MD 28, LEFT ARROW* (48" X 75") POLE MOUNTED
	1	EA	SHIELD ASSEMBLY *EAST, MD 28, LEFT ARROW* (48" X 75") POLE MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1003	1	EA	MAINTENANCE OF TRAFFIC
2001	7.1	CY	CLASS 2 EXCAVATION
2002	1	CY	TEST PIT EXCAVATION
5003	780	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	375	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
5005	85	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	225	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	1075	SF	5 INCH CONCRETE SIDEWALK
6003	74	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
8001	45	EA	12 INCH LED SIGNAL HEAD SECTION
8002	1	EA	2-WIRE CENTRAL CONTROL UNIT
8005	3	EA	ADJUST HANDHOLE TO GRADE INCLUDING FRAME AND COLLAR
8008	4	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	4	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8016	4	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8024	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8036	55	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8037	15	LF	WOOD SIGN SUPPORTS UP TO 4" X 6"
8038	65	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8040	55	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8051	385	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8053	430	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

CONTACTS

The contact persons for District #3 are as follows:

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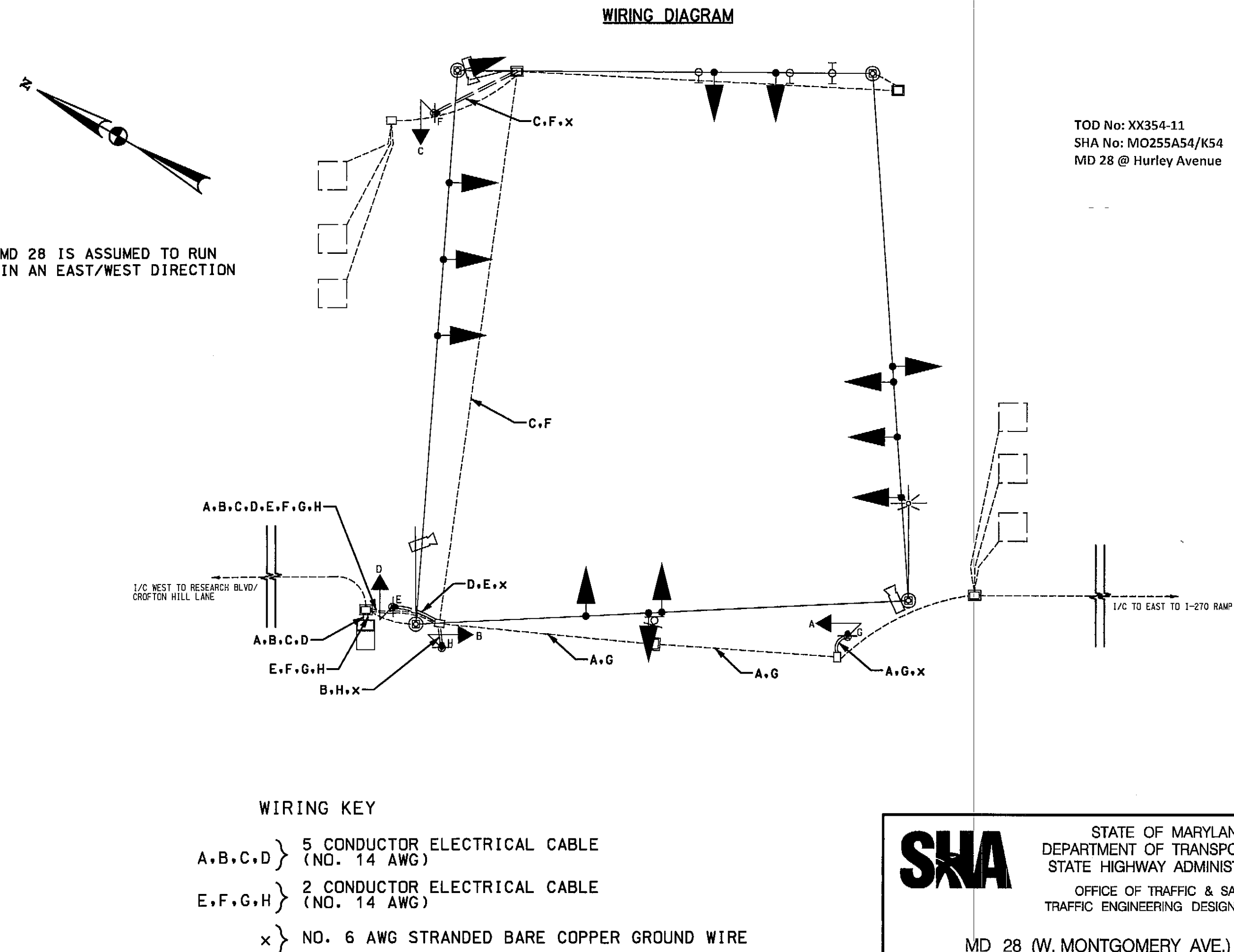
Mr. Keith Lord  
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Mr. Sonny Bailey  
Supervisor, Sign Shop  
Phone: 410-787-7676

Mr. Mike Stocker  
Supervisor, Signal Warehouse  
Phone: 410-787-7668

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 2 AND 5	R	R	R	GG	GG	R	R	R	R	R	RG	R	R	DW	DW	DW	DW
2 AND 5 CHANGE	R	R	R	YG	YG	R	R	R	R	R	RY	R	R	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	R	FLDW	FLDW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	FLDW	FLDW
4 AND 8 ALT CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 28 (W. MONTGOMERY AVE.) AT HURLEY AVE.  
ROCKVILLE, MD

GENERAL INFORMATION PLAN SHEET

SCALE NTS DATE 08/2010 CONTRACT NO. XX3545168R

DESIGNED BY XM COUNTY MONTGOMERY  
DRAWN BY XM LOGMILE 15002820.48  
CHECKED BY JB TMS NO. K364  
F.A.P. NO. TOD NO.

TS NO. 858G DRAWING - 3 OF SHEET NO. 3 OF 3

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PLOTTED: R\*\*\*\*\* 30, 2010 AT 08:28 \*\*\*  
FILE: P:\09-002 TEDD\Task 36 MD 28 @ Hurley Ave\Drawings\CADD\Working\pGG-P005\_M28@HurleyAve.dgn